| L Number | Hits | Search Text | DB | Time stamp |
|-------------|------|--|---|---------------------|
| Number | 249 | (nonwoven) same (electrostatic) | USPAT | 2002/12/12 |
| | 217 | (Horrwoverry same (electrostatic) | USPAI | 2002/12/12 14:05 |
| - | 208 | ((nonwoven) same (electrostatic)) and (polyacrylic or polyamide or polyester or polypropylene) | USPAT | 2002/12/11 |
| İ _ | 85 | ((nonwoven) same (electrostatic)) and (polyacrylic | USPAT | 11:35 2002/12/11 |
| | | or polyamide or polyester or polypropylene) and | USPAI | 11:38 |
| | | denier | | 11.00 |
| - | 0 | ((nonwoven) same (electrostatic)) and (polyacrylic | USPAT | 2002/12/11 |
| | | or polyamide or polyester or polypropylene) and | | 11:39 |
| | | denier and (dry adj clean\$5) | | |
| - | 85 | ((nonwoven) same (electrostatic)) and (polyacrylic | USPAT | 2002/12/11 |
| | - | or polyamide or polyester or polypropylene) and denier | | 11:40 |
| _ | 4 | | USPAT | 2002/12/11 |
| | | polyamide or polyester or polypropylene) and | USPAI | 2002/12/11 |
| | | denier and (dry adj3 clean\$5) | | 11,71 |
| - | 17 | "5970583" "5496627" "5144729" | USPAT | 2002/12/11 |
| | 1 | · | | 11:58 |
| - | 2612 | "17" and (static or electrostatic) and nonwoven | USPAT | 2002/12/11 |
| | - | | | 11:42 |
| - | 3 | ("5970583" "5496627" "5144729") and (static or | USPAT | 2002/12/11 |
| | | electrostatic) and nonwoven | | 11:44 |
| - | 3 | ("5970583" "5496627" "5144729") and (static or | USPAT | 2002/12/11 |
| _ | 17 | electrostatic) and nonwoven "5970583" "5496627" "5144729" "5970583" | LICDAT | 11:58 |
| | 1 | "5496627" "5144729" | USPAT | 2002/12/11 12:00 |
| _ | 3 | ("5970583" "5496627" "5144729" "5970583" | USPAT | 2002/12/11 |
| | | "5496627" "5144729") and (static or electrostatic) | 001111 | 12:00 |
| - | 17 | "5970583" "5496627" "5144729" "5970583" | USPAT | 2002/12/11 |
| | | "5496627" "5144729" | | 12:05 |
| - | 5306 | 428/212 | USPAT | 2002/12/11 |
| | 0444 | (400, (010), crox c | | 12:05 |
| - | 2444 | (428/212).CCLS. | USPAT | 2002/12/11 |
| _ | 21 | ((428/212).CCLS.) and (denier) and (static or | USPAT | 12:05 |
| | | electrostatic) | USFAI | 2002/12/11 12:07 |
| - | 2001 | , · · · · · · · · · · · · · · · · · · · | USPAT | 2002/12/11 |
| | | | 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 12:07 |
| - | 220 | electret and nonwoven | USPAT | 2002/12/11 |
| | _ | | | 12:29 |
| - | 59 | electret and nonwoven and (polyacrylic or | USPAT | 2002/12/11 |
| | | polyamide\$4 or polyester\$1 or polypropylene\$1) and denier | | 12:32 |
| _ | 5 | and denier electret and nonwoven and (polyacrylic or | HIGDAT | 2000/10/11 |
| | | polyamide\$4 or polyester\$1 or polypropylene\$1) | USPAT | 2002/12/11 |
| | | and (fine same (high or coarse) same denier) | | 12.10 |
| - | 8 | "5147714" | USPAT | 2002/12/11 |
| | | | | 12:23 |
| - | 1 | "3542633".PN. | USPAT | 2002/12/11 |
| | | #0500440# DN | | 12:23 |
| - | 1 | "3582448".PN. | USPAT | 2002/12/11 |
| _ | 1 | "3582448".PN. | IICDAT | 12:23 |
| | | 0002110 .FN. | USPAT | 2002/12/11 12:24 |
| - | 1 | "3891786".PN. | USPAT | 2002/12/11 |
| | | | | 12:24 |
| - | 1 | "4153749".PN. | USPAT | 2002/12/11 |
| | | | | 12:24 |

| - | , 1 | "4296855".PN. | USPAT | 2002/12/11 12:24 |
|---|-----|---|----------------|-----------------------------------|
| - | 1 | "4307144".PN. | USPAT | 2002/12/11 12:24 |
| - | 1 | "4323613".PN. | USPAT | 2002/12/11 12:25 |
| - | 1 | "4615934".PN. | USPAT | 2002/12/11 |
| - | 1 | "4420529".PN. | USPAT | 2002/12/11 12:25 |
| - | 1 | "4615934".PN. | USPAT | 2002/12/11 12:26 |
| - | 4 | electret and nonwoven and ((deiner or tex or decitex or count) near4 ratio) | USPAT | 2002/12/11 12:29 |
| - | 129 | (dry adj clean\$5) and nonwoven and (polyacrylic or polyamide\$4 or polyester\$1 or polypropylene\$1) and denier | USPAT | 2002/12/11 12:35 |
| - | 27 | (dry adj clean\$5) and nonwoven and (polyacrylic or polyamide\$4 or polyester\$1 or polypropylene\$1) and denier and (static or | USPAT | 2002/12/11 12:38 |
| - | 3 | electrostatic) "5970583" | USPAT | 2002/12/11 12:40 |
| - | 6 | "5496627" | USPAT | 2002/12/11 16:34 |
| - | 60 | (442/346).CCLS. | USPAT | 2002/12/11 17:08 |
| - | 0 | ("1 and (electrostatic or static or charge\$3)").PN. | USPAT | 2002/12/11 16:36 |
| - | 23 | ((442/346).CCLS.) and (electrostatic or static or charge\$3) | USPAT | 2002/12/11 16:36 |
| - | 30 | (442/336).CCLS. | USPAT | 2002/12/11 17:08 |
| - | 37 | (nonwoven) and (electrostatic or static or charg\$3) and (differ\$6 near4 denier) | USPAT | 2002/12/11 18:10 |
| - | 1 | "3485706".PN. | USPAT | 2002/12/11 17:32 |
| - | 1 | "3547763".PN. | USPAT | 2002/12/11 17:33 |
| - | 1 | 5874373.pn. | USPAT | 2002/12/11 |
| - | 1 | "2724457".PN. "5540756".PN. | USPAT USPAT | 2002/12/11 18:12 2002/12/11 |
| _ | 1 | "5130134".PN. | USPAT | 18:12 2002/12/11 |
| _ | 1 | "4983192".PN. | USPAT | 18:13 2002/12/11 |
| _ | 1 | "5112577".PN. | USPAT | 18:13 2002/12/11 |
| _ | 1 | "4983192".PN. | USPAT | 18:15 2002/12/11 |
| - | 1 | "4983192".PN. | USPAT | 18:15 2002/12/11 |
| - | 1 | "4917942".PN. | USPAT | 18:15 2002/12/11 |
| - | 1 | "4917942".PN. | USPAT | 18:15 2002/12/11 18:16 |
| | I | 1 | l | 10.10 |

| - | 1 | "4902449".PN. | USPAT | 2002/12/11 |
|---|------------|---|--------|---------------------|
| | 1 | "4886527".PN. | USPAT | 18:16 2002/12/11 |
| | | 1000027 1.711 | | 18:16 |
| - | 1 | "4902449".PN. | USPAT | 2002/12/11 |
| | 1 | "4886527".PN. | USPAT | 18:17 2002/12/11 |
| - | 1 | 4880327 .PN. | OSIM | 18:17 |
| - | 1 | "4902449".PN. | USPAT | 2002/12/11 |
| | | n | LIODAM | 18:17 |
| - | 1 | "4880448".PN. | USPAT | 2002/12/11 18:17 |
| _ | 1 | "4824451".PN. | USPAT | 2002/12/11 |
| | | | | 18:17 |
| - | 1 | "4824451".PN. | USPAT | 2002/12/11 18:17 |
| _ | * 1 | "4626263".PN. | USPAT | 2002/12/11 |
| | _ | | | 18:18 |
| - | 1 | "4626263".PN. | USPAT | 2002/12/11 |
| | 8 | "5147714" | USPAT | 18:18 2002/12/12 |
| - | 0 | 014//14 | 001 | 14:15 |
| - | 1 | "3542633".PN. | USPAT | 2002/12/12 |
| | • | HOLOO 4 4 OH DIN | USPAT | 14:06 2002/12/12 |
| - | 1 | "3582448".PN. | USPAI | 14:06 |
| _ | 1 | "3733606".PN. | USPAT | 2002/12/12 |
| | | | | 14:10 |
| - | 392 | (dry adj clean\$5) and nonwoven | USPAT | 2002/12/12 14:16 |
| _ | 110 | (dry adj clean\$5) and nonwoven and (electret\$3 or | USPAT | 2002/12/12 |
| | | electrostat\$4 or static\$1) | | 14:17 |
| - | 0 | (dry adj clean\$5) and nonwoven and (electret\$3 or | USPAT | 2002/12/12 14:18 |
| | 110 | electrostat\$4 or static\$1) and kensington (dry adj clean\$5) and nonwoven and (electret\$3 or | USPAT | 2002/12/12 |
| | | electrostat\$4 or static\$1) | | 15:11 |
| - | 25 | "4792471" | USPAT | 2002/12/12 |
| | 1 | "2351142".PN. | USPAT | 14:34 2002/12/12 |
| - | 1 | 2551172 .1 N. | 001711 | 14:37 |
| - | 1 | "2744348".PN. | USPAT | 2002/12/12 |
| | | "ACCOCCOE" DN | LISDAT | 14:37 2002/12/12 |
| _ | 1 | "3088295".PN. | USPAT | 14:37 |
| _ | 1 | "3726096".PN. | USPAT | 2002/12/12 |
| | | , | 110542 | 14:37 |
| - | 1 | "3823418".PN. | USPAT | 2002/12/12 14:37 |
| _ | 1 | "4517230".PN. | USPAT | 2002/12/12 |
| | | | | 14:37 |
| - | 1 | "4521472".PN. | USPAT | 2002/12/12 14:38 |
| _ | 0 | dry adj clean\$5) and nonwoven and (electret\$3 or | USPAT | 2002/12/12 |
| | | electrostat\$4 or static\$1) and (diff\$7 near8 (count | | 15:13 |
| | | or denier)) | LIGDAT | 0000/10/10 |
| - | 13 | (dry adj clean\$5) and (electret\$3 or electrostat\$4 or static\$1) and (diff\$7 near8 (count or denier)) | USPAT | 2002/12/12 15:13 |
| - | 6 | (dry adj clean\$5) and nonwoven and (diff\$7 near8 | USPAT | 2002/12/12 |
| | | (count or denier)) | | 15:18 |

| - | 24 | nonwoven and (diff\$7 near8 (count or denier)) and (volt\$3) | USPAT | 2002/12/12 15:25 |
|---|-----|--|------------------------|---------------------|
| - | 77 | nonwoven and (diff\$7 same (count or denier)) and (volt\$3) | USPAT | 2002/12/12 15:26 |
| - | 51 | nonwoven and (diffe\$7 same (count or denier)) | USPAT | 2002/12/12 15:29 |
| - | 176 | and (volt\$3) ((different or dissimilar or unlike) near3 (denier or | USPAT; | 2002/12/12 |
| | | count)) and ((non-woven or nonwoven or unwoven) same (fabric or cloth or textile)) and | US-PGPUB; EPO; JPO; | 15:32 |
| | | (fiber or fibre or filament) same (polyacrylic or | DERWENT | |
| - | 66 | polyester or polyamide or polypropylene) ((different or dissimilar or unlike) near3 (denier or | USPAT; | 2002/12/12 |
| | | count)) and ((non-woven or nonwoven or unwoven) same (fabric or cloth or textile)) and | US-PGPUB; EPO; JPO; | 15:32 |
| | | (fiber or fibre or filament) same (polyacrylic or | DERWENT | |
| | | polyester or polyamide or polypropylene) and (electrostat\$3 or stati\$3 or antistat\$4 or | | |
| | | electrolet) | | |
| - | 94 | ((different or dissimilar or unlike or vary\$3) near3 (denier or count)) and ((non-woven or nonwoven | USPAT; US-PGPUB; | 2002/12/12 15:56 |
| | | or unwoven) same (fabric or cloth or textile)) and | EPO; JPO; | |
| | | (fiber or fibre or filament) same (polyacrylic or polyester or polyamide or polypropylene) and | DERWENT | |
| | | (electrostat\$3 or stati\$3 or antistat\$4 or electrolet) | | |
| - | 1 | "4076633".PN. | USPAT | 2002/12/12 |
| _ | 1 | "4216772".PN. | USPAT | 15:52 2002/12/12 |
| | , | "E082106" DN | USPAT | 15:53 2002/12/12 |
| - | 1 | "5283106".PN. | OSFAI | 15:53 |
| - | 1 | "6133226".PN. | USPAT | 2002/12/12 15:53 |
| - | 1 | "6107270".PN. | USPAT | 2002/12/12 |
| _ | 1 | ((different or dissimilar or unlike or vary\$3) near3 | USPAT; | 15:54 2002/12/12 |
| | | (denier or count)) and (non-woven or nonwoven or | US-PGPUB; | 16:01 |
| | | unwoven) and (microdenier) and (fiber or fibre or | EPO; JPO; | |
| | | filament) same (polyacrylic or polyester or polyamide or polypropylene) and (electrostat\$3 or | DERWENT | |
| | | stati\$3 or antistat\$4 or electrolet) | | |
| - | 3 | 1 ((| USPAT; | 2002/12/12 |
| | | (denier or count)) and (non-woven or nonwoven or | US-PGPUB; | 16:03 |
| | | unwoven) and (micro) and (fiber or fibre or filament) same (polyacrylic or polyester or | EPO; JPO; DERWENT | |
| | | polyamide or polypropylene) and (electrostat\$3 or | DERWEIN | |
| | | stati\$3 or antistat\$4 or electrolet) | | |
| - | 2 | Scott and Pryne | USPAT; | 2002/12/12 |
| | | | US-PGPUB; EPO; JPO; | 16:05 |
| | | | DERWENT | |
| - | 28 | "5230800" | USPAT; US-PGPUB; | 2002/12/12 16:09 |
| | | | EPO; JPO; | |
| | | | DERWENT | 0000/10/10 |
| - | 44 | "4798850" | USPAT; US-PGPUB; | 2002/12/12 16:33 |
| | | | EPO; JPO; | |
| | | | DERWENT | |

| - | 44 | "4798850" | USPAT; | 2002/12/12 |
|----|------|---|-----------|------------|
| | | | US-PGPUB; | 16:33 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| _ | 4 | 4798850.pn. 5874373.pn. | USPAT; | 2002/12/12 |
| 1 | | | US-PGPUB; | 18:48 |
| | | | EPO; JPO; | |
| Ì | | | DERWENT | |
| - | 49 | (442/36).CCLS. | USPAT | 2002/12/13 |
| | | | | 16:26 |
| _ | 114 | (442/35).CCLS. | USPAT | 2002/12/13 |
| | | | | 16:26 |
| _ | 4 | ((442/35).CCLS.) and (dry adj clean\$5) | USPAT | 2002/12/13 |
| | | , | | 16:29 |
| _ | 3 | ((different or dissimilar or unlike) near3 (denier or | USPAT; | 2003/05/07 |
| | 1 | count)) and ((non-woven or nonwoven or | US-PGPUB; | 10:40 |
| | | unwoven) same (fabric or cloth or textile)) and | EPO; JPO; | |
| | | ((442/35).CCLS.) | DERWENT | |
| _ | 12 | (eléctrostatic or static or electret) and (fabric or | USPAT; | 2002/12/13 |
| | | cloth or textile) and ((442/35).CCLS.) | US-PGPUB; | 16:38 |
| | 1 | | EPO; JPO; | |
| | | | DERWENT | |
| - | 13 | (electrostatic or static or electret) and (nonwoven | USPAT; | 2002/12/13 |
| | | or (non adj woven) or unwoven or non-woven) and | US-PGPUB; | 16:39 |
| | | ((442/35).CCLS.) | EPO; JPO; | |
| - | | | DERWENT | |
| | 224 | electret and nonwoven and (polyacrylic or | USPAT | 2003/05/07 |
| | | polyamide\$4 or polyester\$1 or polypropylene\$1) | | 09:25 |
| | 1387 | (electret or electrostatic) and (volt) and (nonwoven | USPAT | 2003/05/07 |
| | 100. | or non-woven or web or mat or (non adj woven)) | | 09:26 |
| | | and (polyacrylic or polyamide\$4 or polyester\$1 or | | |
| ļ | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | adj terephthalate)) | | |
| _ | 27 | | USPAT | 2003/05/07 |
| | | or non-woven or web or mat or (non adj woven)) | | 10:20 |
| | | and (polyacrylic or polyamide\$4 or polyester\$1 or | | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | adj terephthalate)) and ((bi-component) or | | |
| Į. | | bicomponent or (sheath-core) or (core-sheath)) | | |
| 1. | 29 | (electret or electrostatic) and (volt) and (nonwoven | USPAT; | 2003/05/07 |
| | | or non-woven or web or mat or (non adj woven)) | US-PGPUB; | 10:03 |
| | 1 | and (polyacrylic or polyamide\$4 or polyester\$1 or | EPO; JPO; | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | DERWENT | |
| | | adj terephthalate)) and ((bi-component) or | | |
| 1 | | bicomponent or (sheath-core) or (core-sheath)) | | |
| - | 24 | (electret or electrostatic) and (volt) and (nonwoven | USPAT; | 2003/05/07 |
| | | or non-woven or web or mat or (non adj woven)) | US-PGPUB; | 09:40 |
| | | and (polyacrylic or polyamide\$4 or polyester\$1 or | EPO; JPO; | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | DERWENT | |
| | | adj terephthalate)) and ((bi-component) or | | |
| | | bicomponent or (sheath-core) or (core-sheath)) | | |
| | | and (denier or tex or deci-tex or decitex or dtex) | | |
| - | 24 | | USPAT; | 2003/05/07 |
| | | or non-woven or web or mat or (non adj woven)) | US-PGPUB; | 10:42 |
| | | and (polyacrylic or polyamide\$4 or polyester\$1 or | EPO; JPO; | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | DERWENT | |
| | | adj terephthalate)) and ((bi-component) or | | |
| 1 | | bicomponent or (sheath-core) or (core-sheath)) | | • |
| | | and (fineness or denier or tex or deci-tex or | | |
| _ | | decitex or dtex) | | |

| | | r.:===== | | |
|-----|------|---|-----------|------------|
| - | 46 | "4798850" | USPAT; | 2003/05/07 |
| | | | US-PGPUB; | 09:51 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| - | 1 | "3595721".PN. | USPAT | 2003/05/07 |
| | | | | 09:52 |
| - | 1 | "3904798".PN. | USPAT | 2003/05/07 |
| | | | | 09:52 |
| 1_ | 1 | "4291087".PN. | USPAT | 2003/05/07 |
| |] - | 1221007 12111 | 001111 | 09:52 |
| | 1 | "4670341".PN. | TIODAT | ! |
| j - | 1 | 4070341".PN. | USPAT | 2003/05/07 |
| | | | | 09:52 |
| - | 16 | "4798850" and (fineness or denier or tex or | USPAT; | 2003/05/07 |
| | | deci-tex or decitex or dtex) | US-PGPUB; | 10:03 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| - | 48 | (442/344).CCLS. | USPAT | 2003/05/07 |
| | | | , | 10:03 |
| _ | 13 | ((442/344).CCLS.) and ((bi-component) or | USPAT; | 2003/05/07 |
| | | bicomponent or (sheath-core) or (core-sheath)) | US-PGPUB; | 10:18 |
| | | | | 10.10 |
| | | | EPO; JPO; | |
| | | "5500050" | DERWENT | |
| - | 0 | "7798850" | USPAT; | 2003/05/07 |
| | | | US-PGPUB; | 10:12 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| - | 46 | "4798850" | USPAT; | 2003/05/07 |
| | | | US-PGPUB; | 10:14 |
| | | | EPO; JPO; | 10.1 |
| | | | DERWENT | |
| | | "2505701" DN | | 0000105107 |
| - | 1 | "3595721".PN. | USPAT | 2003/05/07 |
| | | | | 10:13 |
| - | 44 | "384052" "1188322" | USPAT; | 2003/05/07 |
| | | "1446570" | US-PGPUB; | 10:18 |
| | | "1484492" | EPO; JPO; | |
| | | "2086954" | DERWENT | |
| | | | | |
| | | | | |
| _ | 113 | (210/348).CCLS. | USPAT | 2003/05/07 |
| | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | 10:18 |
| 1. | o | ((210/348).CCLS.) and ((bi-component) or | USPAT; | 2003/05/07 |
| | " | | | |
| | | bicomponent or (sheath-core) or (core-sheath)) | US-PGPUB; | 10:18 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| - | 2474 | (nonwoven or non-woven or web or mat or (non | USPAT | 2003/05/07 |
| | | adj woven)) and (polyacrylic or polyamide\$4 or | | 10:20 |
| | İ | polyester\$1 or polypropylene\$1 or nylon or PET or | | |
| | | (polyethylene adj terephthalate)) and | | |
| | | ((bi-component) or bicomponent or (sheath-core) | | |
| | | or (core-sheath)) | | |
| _ | 568 | (nonwoven or non-woven or web or mat or (non | USPAT | 2003/05/07 |
| | 555 | adj woven)) and (polyacrylic or polyamide\$4 or | 001111 | 10:22 |
| | | | | 10.22 |
| | | polyester\$1 or polypropylene\$1 or nylon or PET or | | |
| | | (polyethylene adj terephthalate)) and | | |
| | | ((bi-component) or bicomponent or (sheath-core) | | } |
| | | or (core-sheath)) and (microfiber or microfibre or | | |
| | | micro-denier or sub-denier or (micro adj denier) | | |
| | | or microdenier) | | |

| | 532 | (nonwoven or non-woven or web or mat or (non | USPAT | 2003/05/07 |
|----------------|----------|---|----------------------|------------|
| - | 552 | adj woven) and (PET or (polyethylene adj | 051111 | 10:23 |
| , | | terephthalate) or polyester) and ((bi-component) or | | |
| | | bicomponent or (sheath-core) or (core-sheath)) | | |
| | | and (microfiber or microfibre or micro-denier or | | |
| | | sub-denier or (micro adj denier) or microdenier) | | |
| | 704387 | (nonwoven or non-woven or web or mat or (non | USPAT | 2003/05/07 |
| ļ ⁻ | 701007 | adj woven) and (PET or (polyethylene adj | | 10:23 |
| | | terephthalate) or polyester) and ((bi-component) or | | |
| | | bicomponent or (sheath-core) or (core-sheath)) | | |
| | | and (microfiber or microfibre or micro-denier or | | |
| | | sub-denier or (micro adj denier) or microdenier) or | | |
| | | (filter or cloth or wipe or cleaning) | | |
| _ | 406 | (nonwoven or non-woven or web or mat or (non | USPAT | 2003/05/07 |
| | | adj woven)) and (PET or (polyethylene adj | | 10:26 |
| | | terephthalate) or polyester) and ((bi-component) or | | |
| | | bicomponent or (sheath-core) or (core-sheath)) | | |
| | | and (microfiber or microfibre or micro-denier or | | |
| | | sub-denier or (micro adj denier) or microdenier) | | |
| | | and (filter or cloth or wipe or cleaning) | | |
| 1 - | 270 | (nonwoven or non-woven or web or mat or (non | USPAT | 2003/05/07 |
| | | adj woven)) and (PET or (polyethylene adj | | 10:27 |
| | | terephthalate) or polyester) and ((bi-component) or | | |
| | | bicomponent or (sheath-core) or (core-sheath)) | | |
| | | and (denier or dtex or decitex or deci-tex or d-tex | | |
| | | or fineness) and (microfiber or microfibre or | | |
| | | micro-denier or sub-denier or (micro adj denier) | | |
| | | or microdenier) and (filter or cloth or wipe or | | |
| | | cleaning) | | |
| - | 219 | ((different or dissimilar or unlike) near3 (denier or | USPAT; | 2003/05/07 |
| | | count)) and ((non-woven or nonwoven or | US-PGPUB; | 10:41 |
| | | unwoven) same (fabric or cloth or textile)) | EPO; JPO; | |
| | | | DERWENT | |
| - | 244 | ((different or dissimilar or unlike) near3 (dtex or | USPAT; | 2003/05/07 |
| | | decitex or (linear adj densit\$5) or denier or d-tex | US-PGPUB; | 10:41 |
| | | or count)) and ((non-woven or nonwoven or | EPO; JPO; | |
| | | unwoven) same (fabric or cloth or textile)) | DERWENT | |
| _ | 97 | ((different or dissimilar or unlike) near3 (dtex or | USPAT; | 2003/05/29 |
| | | decitex or (linear adj densit\$5) or denier or d-tex | US-PGPUB; | 08:57 |
| | | or count)) and (nonwoven or non-woven or web or | EPO; JPO; | |
| | | mat or (non adj woven)) and (polyacrylic or | DERWENT | |
| | | polyamide\$4 or polyester\$1 or polypropylene\$1 | | |
| | | or nylon or PET or (polyethylene adj | | |
| | | terephthalate)) and ((bi-component) or | | |
| | | bicomponent or (sheath-core) or (core-sheath)) | | |
| | | and (fineness or denier or tex or deci-tex or | | |
| | _ | decitex or dtex) | LIGDAG | 0000105107 |
| - | 24 | "5133835" | USPAT; | 2003/05/07 |
| | | | US-PGPUB; | 11:00 |
| | | | EPO; JPO; | |
| | | #2007001# PN | DERWENT | 2003/05/07 |
| - | 1 | "3097991".PN. | USPAT | 11:03 |
| | | E074272 | HISDAT. | 2003/05/07 |
| - | 2 | "5874373" | USPAT; US-PGPUB; | 18:12 |
| | | | · | 10.12 |
| | | | EPO; JPO; DERWENT | |
| | , | "0704457" PN | USPAT | 2003/05/07 |
| - | 1 | "2724457".PN. | OSIAI | 18:01 |
| L | <u> </u> | | <u> </u> | _ 10.01 |

| - | 1 | "2916038".PN. | USPAT | 2003/05/07 |
|-----|-----|--|---------------------|------------------------------|
|] - | 1 | "5540756".PN. | USPAT | 18:01 2003/05/07 18:02 |
| - | 1 | "5130134".PN. | USPAT | 2003/05/07 |
| - | 1 | "5112577".PN. | USPAT | 18:02 2003/05/07 |
| - | ĺ | "4983192".PN. | USPAT | 18:03 2003/05/07 |
| - | 1 | "4917942".PN. | USPAT | 18:03 2003/05/07 |
| - | 1 | "4917942".PN. | USPAT | 18:03 2003/05/07 |
| - | 1 | "4917714".PN. | USPAT | 18:04 2003/05/07 18:04 |
| - | 1 | "4902449".PN. | USPAT | 2003/05/07 18:06 |
| - | 1 | "4886527".PN. | USPAT | 2003/05/07 18:07 |
| - | 1 | "4880448".PN. | USPAT | 2003/05/07 18:07 |
| - | 1 | "4824451".PN. | USPAT | 2003/05/07 18:07 |
| - | 1 | "4798850".PN. | USPAT | 2003/05/07 18:08 |
| - | 1 | "3595721".PN. | USPAT | 2003/05/07 18:08 |
| - | 1 | "3904798".PN. | USPAT | 2003/05/07 |
| - | 1 | "4291087".PN. | USPAT | 2003/05/07 18:09 |
| - | 1 | "4670341".PN. | USPAT | 2003/05/07 18:09 |
| - | 1 | "4478620".PN. | USPAT | 2003/05/07 18:10 |
| - | 1 | "4376642".PN. | USPAT | 2003/05/07 18:10 |
| - | 1 | "4323374".PN. | USPAT | 2003/05/07 18:11 |
| - | 1 | "4215682".PN. | USPAT | 2003/05/07 18:11 |
| _ | 48 | (442/344).CCLS. | USPAT | 2003/05/07 18:12 |
| _ | 1 | "5795651".PN. | USPAT | 2003/05/07 18:16 |
| - | 1 | "5783503".PN. | USPAT | ·2003/05/07 18:17 |
| - | 3 | 5970583.pn. 5496627.pn. 5144729.pn. | USPAT | 2003/05/28 15:19 |
| - | 379 | ((different or dissimilar or unlike) near3 (dtex or decitex or (linear adj densit\$5) or denier or d-tex or count)) and (nonwoven or non-woven or web or | USPAT; US-PGPUB; | 2003/05/29 09:00 |
| | | | EPO; JPO; | |
| | | mat or (non adj woven)) and (polyacrylic or polyamide\$4 or polyester\$1 or polypropylene\$1 | DERWENT | |
| | | or nylon or PET or (polyethylene adj | | |
| | | terephthalate)) | | |
| | | | | |

| - | 379 | ((different or dissimilar or unlike) near3 (dtex or | USPAT; | 2003/05/29 |
|-----|-----|--|-----------|------------|
| | | decitex or (linear adj densit\$5) or denier or d-tex | US-PGPUB; | 10:31 |
| | | or count)) and (nonwoven or non-woven or web or | EPO; JPO; | |
| | | mat or (non adj woven)) and (polyacrylic or | DERWENT | |
| | | polyamide\$4 or polyester\$1 or polypropylene\$1 | | |
| | | or nylon or PET or (polyethylene adj | | |
| | | terephthalate)) and (dtex or decitex or (linear adj | | |
| | | densit\$5) or denier or d-tex or count) | | |
| · _ | 22 | ((different or dissimilar or unlike) near3 (dtex or | USPAT; | 2003/05/29 |
| | | decitex or (linear adj densit\$5) or denier or d-tex | US-PGPUB; | 09:07 |
| | | or count)) and (nonwoven or non-woven or web or | EPO; JPO; | |
| | | mat or (non adj woven)) and (polyacrylic or | DERWENT | |
| | | polyamide\$4 or polyester\$1 or polypropylene\$1 | | |
| | | or nylon or PET or (polyethylene adj | | |
| | | terephthalate)) and (dtex or decitex or (linear adj | | |
| | | densit\$5) or denier or d-tex or count) and | | |
| | 7 | (microfiber or microfibre or micro-fiber or | | |
| | | micro-fibre) | | |
| _ | 379 | ((different or dissimilar or unlike) near3 (dtex or | USPAT; | 2003/05/29 |
| | 0.5 | decitex or (linear adj densit\$5) or denier or d-tex | US-PGPUB; | 09:07 |
| | | or count)) and (nonwoven or non-woven or web or | EPO; JPO; | |
| | | mat or (non adj woven)) and (polyacrylic or | DERWENT | |
| | | polyamide\$4 or polyester\$1 or polypropylene\$1 | | |
| , | | or nylon or PET or (polyethylene adj | | |
| | | terephthalate)) and (dtex or decitex or (linear adj | | |
| | | densit\$5) or denier or d-tex or count) | | |
| | 1 | density of defice of detex of county | USPAT | 2003/05/29 |
| | * | | 001111 | 09:09 |
| | 1 | | USPAT | 2003/05/29 |
| | * | | | 09:09 |
| _ | 1 | | USPAT | 2003/05/29 |
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| _ | 1 | | USPAT | 2003/05/29 |
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| _ | 1 | | USPAT | 2003/05/29 |
| | | | | 09:09 |
| 1_ | 1 | | USPAT | 2003/05/29 |
| | * | | | 09:22 |
| _ | 1 | · | USPAT | 2003/05/29 |
| | 1 | | | 09:24 |
| _ | 1 | | USPAT | 2003/05/29 |
| | • | | | 09:24 |
| _ | 1 | | USPAT | 2003/05/29 |
| 1 | • | | | 09:24 |
| _ | 2 | 5196037.pn. | USPAT; | 2003/05/29 |
| | | | US-PGPUB; | 09:51 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| _ | 4 | "5899785" | USPAT; | 2003/05/29 |
| 1 | • | | US-PGPUB; | 09:51 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| _ | 1 | | USPAT | 2003/05/29 |
| | 1 | | | 09:54 |
| _ | 1 | | USPAT | 2003/05/29 |
| | 1 | | | 09:54 |

| - | 500 | ((different or dissimilar or unlike or (mixed)) near3 | USPAT; | 2003/05/29 |
|---|-----|---|------------|------------|
| | | (dtex or decitex or (linear adj densit\$5) or denier | US-PGPUB; | 10:33 |
| | | or d-tex or count)) and (nonwoven or non-woven | EPO; JPO; | |
| | | or web or mat or (non adj woven)) and (polyacrylic | DERWENT | |
| | | or polyamide\$4 or polyester\$1 or | | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | adj terephthalate)) and (dtex or decitex or (linear | | |
| | | adj densit\$5) or denier or d-tex or count) | | |
| _ | 168 | ((different or dissimilar or unlike or (mixed)) near3 | USPAT; | 2003/05/29 |
| | | (dtex or decitex or (linear adj densit\$5) or denier | US-PGPUB; | 10:34 |
| | | or d-tex or count)) and (nonwoven or non-woven | EPO; JPO; | 10.54 |
| 1 | | or web or mat or (non adj woven)) and (polyacrylic | | |
| | | | DERWENT | |
| | | or polyamide\$4 or polyester\$1 or | | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | adj terephthalate)) and (dtex or decitex or (linear | | |
| İ | | adj densit\$5) or denier or d-tex or count) and | | |
| | | (electrostat\$3 or stati\$3 or antistat\$4 or | | |
| | | electrolet) | | |
| - | 118 | ((different or dissimilar or unlike or (mixed)) near3 | USPAT; | 2003/05/29 |
| | | (dtex or decitex or (linear adj densit\$5) or denier | US-PGPUB; | 10:35 |
| | | or d-tex or count)) and (nonwoven or non-woven | EPO; JPO; | |
| | | or web or mat or (non adj woven)) and (polyacrylic | DERWENT | , |
| | | or polyamide\$4 or polyester\$1 or | | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | adj terephthalate)) and (dtex or decitex or (linear | | |
| | | adj densit\$5) or denier or d-tex or count) and | | |
| | | (electrostat\$3 or stati\$3 or antistat\$4 or | | |
| | | electrolet) and ((bi-component) or bicomponent or | | |
| | | multicomponent or multi-component or composite | | |
| | | or (sheath-core) or (core-sheath)) | | |
| - | 120 | ((different or dissimilar or unlike or (mixed)) near3 | USPAT; | 2003/05/29 |
| • | | (dtex or decitex or (linear adj densit\$5) or denier | US-PGPUB; | 11:11 |
| | | or d-tex or count)) and (nonwoven or non-woven | EPO; JPO; | |
| | | or web or mat or (non adj woven)) and (polyacrylic | DERWENT | |
| | | or polyamide\$4 or polyester\$1 or | DDI(()DI() | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | adj terephthalate)) and (dtex or decitex or (linear | | |
| | | adj densit\$5) or denier or d-tex or count) and | | |
| | | (electrostat\$3 or stati\$3 or antistat\$4 or | | |
| | | electrolet) and ((bi-component) or bicomponent or | | |
| | | multicomponent or multi-component or composite | | |
| | | or (sheath near4 core)) | | |
| | 2 | 6352947.pn. | LIGDAM | 0000105100 |
| - | 2 | 0002547.pii. | USPAT; | 2003/05/29 |
| | | | US-PGPUB; | 11:04 |
| | | | EPO; JPO; | |
| İ | | "1057945" | DERWENT | |
| - | 3 | "1957845" | USPAT; | 2003/05/29 |
| | | | US-PGPUB; | 11:06 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| - | 10 | "5271780" | USPAT; | 2003/05/29 |
| | } | | US-PGPUB; | 11:06 |
| | ĺ | | EPO; JPO; | |
| | | | DERWENT | |

| - | 161 | ((different or dissimilar or unlike or (mixed)) near3 | USPAT; | 2003/05/29 |
|---|------|--|-----------|------------|
| | | (dtex or decitex or (linear adj densit\$5) or denier | US-PGPUB; | 11:13 |
| | | or d-tex or count)) and (nonwoven or non-woven | EPO; JPO; | |
| | | or web or mat or (non adj woven)) and (polyacrylic | DERWENT | |
| | | or polyamide\$4 or polyester\$1 or | | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | adj terephthalate)) and (dtex or decitex or (linear | | |
| | | adj densit\$5) or denier or d-tex or count) and | | |
| | | | | |
| | | (electrostat\$3 or stati\$3 or antistat\$4 or electrolet | | |
| | | or clean\$5) and ((bi-component) or bicomponent | | |
| | | or multicomponent or multi-component or | | |
| | | composite or (sheath near4 core)) | | |
| - | 361 | (15/1.51).CCLS. | USPAT | 2003/05/29 |
| | | | | 11:15 |
| - | 0 | ((15/1.51).CCLS.) and ((different or dissimilar or | USPAT | 2003/05/29 |
| | | unlike or (mixed)) near3 (dtex or decitex or (linear | | 11:13 |
| | | adj densit\$5) or denier or d-tex or count)) and | | |
| | | (nonwoven or non-woven or web or mat or (non | | |
| | | adj woven)) and (polyacrylic or polyamide\$4 or | | |
| | | polyester\$1 or polypropylene\$1 or nylon or PET or | | |
| | | (polyethylene adj terephthalate)) and (dtex or | | |
| | | | | |
| | | decitex or (linear adj densit\$5) or denier or d-tex | | |
| | _ | or count) | | |
| - | 7 | ((15/1.51).CCLS.) and (nonwoven or non-woven or | USPAT | 2003/05/29 |
| | | web or mat or (non adj woven)) and (polyacrylic or | | 11:18 |
| | | polyamide\$4 or polyester\$1 or polypropylene\$1 | | |
| | | or nylon or PET or (polyethylene adj | | |
| | | terephthalate)) and (dtex or decitex or (linear adj | | |
| | | densit\$5) or denier or d-tex or count) | | |
| - | 35 | (15/1.52).CCLS. | USPAT | 2003/05/29 |
| | | | | 11:17 |
| _ | 4796 | (428/212,218,220).CCLS. | USPAT | 2003/05/29 |
| | | | | 11:18 |
| - | 261 | ((428/212,218,220).CCLS.) and (nonwoven or | USPAT | 2003/05/29 |
| | | non-woven or web or mat or (non adj woven)) and | ~~ | 11:18 |
| | | (polyacrylic or polyamide\$4 or polyester\$1 or | | 11.10 |
| | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | | | |
| | | adj terephthalate)) and (dtex or decitex or (linear | | |
| | | adj densit\$5) or denier or d-tex or count) | | 0000105155 |
| - | 157 | ((428/212,218,220).CCLS.) and (nonwoven or | USPAT | 2003/05/29 |
| | | non-woven or web or mat or (non adj woven)) and | | 11:19 |
| | | (polyacrylic or polyamide\$4 or polyester\$1 or | 1 | |
| | | polypropylene\$1 or nylon or PET or (polyethylene | | |
| | | adj terephthalate)) and (dtex or decitex or (linear | | |
| - | | adj densit\$5) or denier or d-tex or count) and | | |
| | | ((bi-component) or bicomponent or | | |
| | | multicomponent or multi-component or composite | | |
| | | or (sheath near5 core)) | | |
| | | И | | |